

~~SECRET~~

ORD-6368-69

28 OCT 1969

MEMORANDUM FOR: Chief, Optics/ORD

SUBJECT : Trip Report to [REDACTED]
15 October 1969

25X1

1. Wednesday, 15 October 1969, [REDACTED] of Optics/ORD and [REDACTED] of NPIC/TSSG/RED/ATB/EL visited [REDACTED] to discuss work progress on the fast scanning IDT and associated displays.

25X1

25X1

25X1

2. The magnetic tape transport added to the IDT and display system to allow "off-line" operations is due to arrive at [REDACTED] on 25 October 1969. The last critical component for the IDT system--the linear encoder for the x-stage--is due to be delivered to [REDACTED] on 15 December 1969 from Wayne-George Division of [REDACTED]

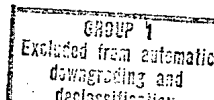
25X1

25X1

25X1

3. The contractor has succeeded in "writing" timing pulses on the data disc for stable TV-monitor refreshing. This aspect was demonstrated by writing various digital patterns on the monitor along with a cursor (cross-hairs for locating spots). The hard copy monitor with the flat face tube was set up on an optical bench with a camera tube monitoring a bar target. The raster removal equipment was breadboarded and seemed to work satisfactorily. I was well pleased with the progress made on the TV-monitors.

4. Progress on the IDT scanning table was demonstrated. Direct linkage in the y-stage had been modified and a larger stepping motor installed. These changes allowed much more positive action in y-stepping. Also the damping in the y-direction was being changed from the under-damped condition to the critically-damped condition. Critical damping is necessary in the y-stage to avoid scanning errors.

~~SECRET~~

SECRET

SUBJECT: Trip Report to [REDACTED]
15 October 1969

ORD-6368-69

25X1

5. Two color pictures of the DDP-416 computer and associated display equipment are included as Figures 1 & 2.

25X1

Optics
Office of Research & Development

ATTACHMENT

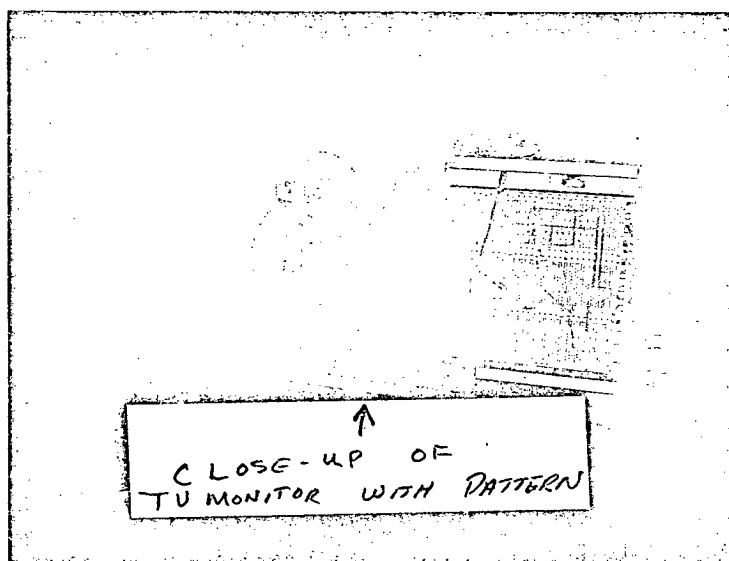


FIG. 2

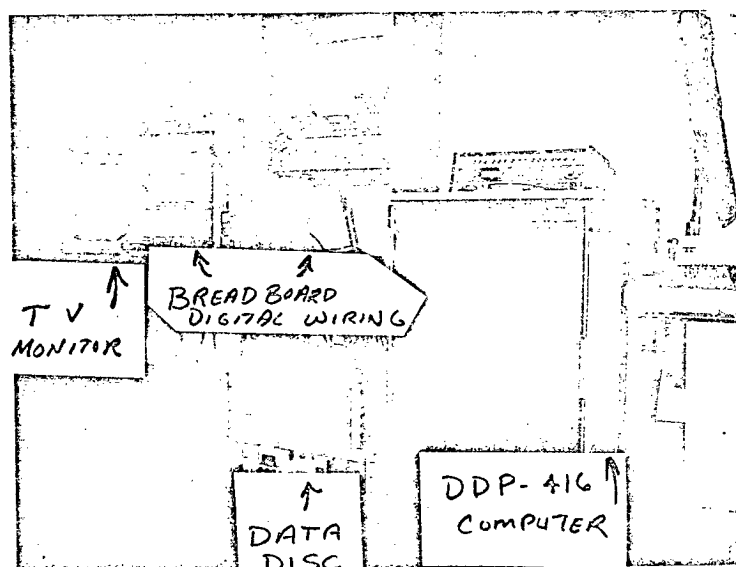


FIG. 2

SECRET